

**ABSTRACT**

Methods of determining gastro-intestinal conditions by performing a succession of breath tests or others tests, particularly for determining the gastric emptying or gastric accomodation condition of a subject. Methods of performing successive gastric emptying tests with different test meals are also presented, enabling the gastric accommodation to be determined. The effects of different test means on the results is presented. Novel substrates for use in such tests are suggested, including the use of micro-encapsulation. Breath tests for the detection of bacterial overgrowth, lactose intolerance and combinations thereof are presented.